II. *Via* Cometæ, *qui ab Initio* Martii 1742. *uſque ad Initium* Aprilis *apparuit, ex Obſervationibus in Obſervatorio et Collegio Patrum Societatis Jeſu* Pekini Sinarum *habitis deducta, et ſecundum Æquatorem ac Eclipticam, uti et ad propriam ejus Orbitam ſupputata. Cum Societate Regali communicavit* Jacobus Hodgſon, *R. S. S. & Schol. Reg. Mathemat. Præceptor in* Ædibus Chriſti, Londini.

Tempus obſervationis verum.				Aſcenſio recta.		Declinatio ab Æquatore.			Via in orbita propria.		Longitudo in ecliptica		Latitudb borealis in ecliptica.		Digreſſio a nodo in ecliptica.		Conſtellationes ad quas tranſiit Cometa.
	d.	h.	min.	°	′	°	′		°	′	°	′	°	′	°	′	
Mart.	2	4	30. m.	281	55	6	0	A	0	0	♍ 12	24	16	58	17	14	ad pedem Antinoi.
	4	4	0. m.	283	30	5	15	B	11	18	14	44	28	4	28	33	prope caudam Serpentis.
	5	4	45. m.	283	33	10	50		16	55	16	2	33	33	34	9	infra caudam Aquilæ.
	7	4	0. m.	284	48	22	40		28	48	19	32	45	9	46	3	inter Anſerem et Cerberum.
	11	2	30. m.	288	1	44	57		51	15	♒ 3	6	66	22	68	29	inter alam Cygni et Lyram.
	12	4	30. m.	289	6	50	3		56	24	9	56	70	53	73	38	in ala boreali Cygni.
	13	3	15. m.	290	11	54	15		60	39	18	19	74	20	77	53	
	14	4	0. m.	291	40	58	50		65	18	♓ 2	20	77	33	82	32	inter Cygn. et ventr. Drac.
	15	3	15. m.	293	12	62	36		69	9	19	20	79	22	86	23	

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Mar.	16	4	o. m.	295	o	66	o	72	38	♈ 8 35	79 59	89 32	in ventre Draconis.
	17	4	30. m.	297	10	69	11	75	55	26 57	79 31	93 11	inter Drac. et Cepheum.
	18	4	o. m.	299	34	71	50	78	41	♉ 10 11	78 23	95 56	ad genu Cephei.
	19	4	o. m.	302	39	74	23	8	123	20 27	76 49	98 38	
		8	20. v.	304	38	75	40	82	47	24 46	75 53	100 1	inter pedes Cephei, deinceps ibidem in vicinia poli borei.
	22	9	o. v.	319	56	81	o	88	54	♊ 8 19	71 5	106 8	
	23	9	45. v.	327	25	82	14	90	32	10 52	69 41	107 47	
	24	10	15. v.	336	22	83	12	92	1	12 53	68 23	109 16	
	27	9	o. v.	21	24	84	26	96	44	18 7	64 o	114 7	
	28	8	40. v.	26	28	84	20	97	26	18 34	63 32	114 38	
	29	1	30. m.	30	34	84	13	97	52	18 56	63 8	115 4	
	30	2	o. m.	38	13	83	54	98	42	19 38	62 21	115 55	
	31	2	50. m.	45	3	83	29	99	33	20 19	61 33	116 46	
Apr.	1	2	50. m.	50	51	83	o	100	23	20 56	60 47	117 36	
	2	3	12. m.	55	55	82	27	101	13	21 32	59 59	118 37	

Ex

Ex obſervationibus autem ſecunda et quarta *Martii* habitis certo conſtat, cometam die tertia *Martii* circa horam ſextam matutinam ad æquatorem pertigiſſe, eumque tranſiviſſe in aſcenſione recta 282° 30′, cum inclinatione ſuæ ad æquatorem ſemitæ 84° 30′ quam proximè; adeoque tum obtinuiſſe longitudinem 13° 35′ in ♈, cum latitudine boreali 22° 54′. Exinde etiam colligere eſt, eandem ſemitam cometicam (quæ apparentiæ decurſu a circulo maximo haud deviaſſe viſa eſt) occurriſſe eclipticæ quidem in ♈ et ♋ 9° 19′ cum inclinatione 80 omnino graduum. Coluro verò æquinoctiorum in diſtantia 5° 37′½ a polis mundi verſus puncta æquinoctialia, cum angulo inclinationis 77° 33′½: Coluro demum ſolſtitiorum in diſtantia 23° 57′⅓ a polis mundi, verſus puncta ſolſtitialia cum angulo inclinationis 13° 38′ æquali maximæ elongationi orbitæ ab eodem coluro in parte averſa, ac diſtantiæ polorum orbitæ a punctis æquinoctialibus.

III. *Of the various* Genera *and* Species *of* Muſic *among the* Ancients, *with ſome* Obſervations *concerning their* Scale; *in a Letter from* John Chriſtoph. Pepuſch, *Muſic. D. & F.R.S. to Mr.* Abraham de Moivre, *F. R. S.*

SIR,

Read Nov 13. 1746. *here printed with Alterations.*

IN Compliance with your Requeſt, I here ſend you ſome of my Thoughts on the various *Genera* and *Species* of the *Greek* Muſic,